

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Multiple sheets used when necessary)</i>	Application No.	10/584,338
	Filing Date	January 9, 2007
	First Named Inventor	D'Amour et al.
	Art Unit	<del>1654</del> 1632
SHEET 1 OF 3		Examiner <del>Unassigned</del> /Wu-Cheng Winston Shen/
		Attorney Docket No. CYTHERA.045NP

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	6,458,589 B1	10/01/2002	Rambhatla et al.	
	2	6,506,574 B1	01/14/20003	Rambhatla et al.	
	3	6,921,811	07/26/05	Zamora, et al.	
	4	7,153,684	12/26/06	B.L.M. Hogan	
	5	7,256,042 B2	08/14/2007	Rambhatla et al.	
	6	2003/0138948	07/01/03	Fisk, et al.	
	7	2004/0127406 A1	07/01/04	Presnell, et al.	
	8	2006/0003446	01/01/06	Keller et al.	
	9	2006/0128017 A1	06/15/06	Zwaka, et al.	
	10	2006/0148081	07/01/06	Kelly, et al.	
	11	2006/0276420 A1	12/07/06	Keller, et al.	
	12	2007/0281355	12/06/2007	Dalton et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
	13	WO 98/30679	7/16/1998	Life Technologies Inc.		
	14	WO 2005/097980 A2	10/20/2005	Geron Corporation		
	15	WO 2006/020919 A2	02/23/2006	University of Georgia Research Foundation, Inc.		
	16	WO 2007/002210 A2	01/04/2007	Bresagen, Inc.; University of Georgia Research Foundation, Inc.; Cythera, Inc.; Roberts Research Institute		

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	17	Assady et al. "Insulin production by human embryonic stem cells" (2001) Diabetes 50(8): 1691-1697	
	18	Bendall, et al. "IGF and FGF Cooperatively Establish Regulatory Stem Cell Niche of Pluripotent Human Cells In Vitro." Nature (2007), 448: 1015-1021.	

Examiner Signature	/Wu-Cheng Winston Shen/	Date Considered	02/04/2009
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T<sup>1</sup> - Place a check mark in this area when an English language translation is attached.

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	19	Conley et al. "Bmps Regulate Differentiation of a Putative Visceral Endoderm Layer Within Human Embryonic Stem-Cell-Derived Embryoid Bodies" (2007) Biochem Cell Biol 85: 121-132.	
	20	Czyz et al. "Embryonic Stem Cell Differentiation: The Role Of Extracellular Factors" (2001) Differentiation 68(4-5):167-174	
	21	Daheron et al. "LIF/STAT3 Signaling Fails To Maintain Self-Renewal Of Human Embryonic Stem Cells" Stem Cells 22, 770-8 (2004).	
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	23	de Caestecker, M. The transforming growth factor-beta superfamily of receptors. Cytokine Growth Factor Rev 15, 1-11 (2004).	
	24	Freund, et al. "Insulin Redirect Differentiation from Cardiogenic Mesoderm and Endoderm to Neuroectoderm in Differentiating Human Embryonic Stem Cells." Stem Cells (2007), published online December 20, 2007.	
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	26	Jones et al. "Differences Between Human and Mouse Alpha-Fetoprotein Expression During Early Development" (2001) J. Anat. 198: 555-9.	
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	28	Matsuda T, et al. "STAT3 Activation is Sufficient to Maintain an Undifferentiated State of Mouse Embryonic Stem Cells" (August 2, 1999) EMBO J, 18(15):4261-9.	
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	31	Micallef Suzanne, et al. "Retinoic Acid Induces Pdx1-positive Endoderm in Differentiating Mouse Embryonic Stem Cells." Diabetes. February 2005, vol. 54, no. 2, pp. 301-305	
	32	Millonig, et al. "Molecular Analysis of the Distal Enhancer of the Mouse Alpha-Fetoprotein Gene" (1995) Mol. Cell Biol. 15: 3848-3856.	
	33	Rambhatla, et al. "Generation of Hepatocyte-Like Cells From Human Embryonic Stem Cells." Cell Transplantation (2003), vol. 12, pages 1-11.	
	34	Roche et al. "Ectodermal commitment of insulin-producing cells derived from mouse embryonic stem cells" Faseb J (2005) 19: 1341-3	

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	35	Segev, Hanna et al. "Differentiation of Human Embryonic Stem Cells into Insulin-Producing Clusters." Stem Cells (2004), vol. 22, pages 265-274.	
	36	Shi, Yan, et al. "Inducing Embryonic Stem Cells to Differentiate into Pancreatic $\beta$ Cells by a Novel Three-Step Approach with Activin A and All-Trans Retinoic Acid." Stem Cells (2005), vol. 23, pages 656-662.	
	37	Tam et al., Early endoderm development in vertebrates: lineage differentiation and morphogenetic function. Curr Opin Genet Dev. 13(4): 393-400, 2003.	
	38	Urbach et al. "Modeling Lesch-Nyhan Disease by Gene Targeting in Human Embryonic Stem Cells" (2004) Stem Cells 22:635-641.	
	39	Vallier et al. "Activin/Nodal and FGF Pathways Cooperate to Maintain Pluripotency of Human Embryonic Stem Cells" (2005) J Cell Sci. 118: 4495-509.	
	40	Vallier, L., Reynolds, D. & Pedersen, R.A. Nodal inhibits differentiation of human embryonic stem cells along the neuroectodermal default pathway. Dev Biol 275, 403-421 (2004).	
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	42	Wei, C.L. et al. Transcriptome profiling of human and murine ESCs identifies divergent paths required to maintain the stem cell state. Stem Cells 23, 166-185 (2005).	
	43	Xu, et al. "BMP4 Initiates Human Embryonic Stem Cell Differentiation to Trophoblast." Nature Biotechnology (December 2002), Vol 20, pages 1261-1264.	
	44	Ying, et al. "BMP Induction of Id Proteins Suppresses Differentiation and Sustains Embryonic Stem Cell Self-Renewal in Collaboration with STAT3." Cell (October 31, 2003), Vol. 115, pages 281-292.	
	45	Zwaka, et al. "Homologous Recombination in Human Embryonic Stem Cells" Nature Biotechnology (2003) Vol. 21.	
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